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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1

of 5

Application Number

Filing Date

First Named Inventor

D. E. Hill et al

Art Unit

Examiner Name

Attorney Docket Number

1266.1

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DEM	1	US- 4,089,209	5/16/1978	Grana et al	
	2	US- 4,500,641	2/19/1985	van den Engh et al	
	3	US- 4,549,427	10/29/1985	Kolesar, Jr.	
	4	US- 4,752,226	6/21/1988	Akers et al	
	5	US- 4,768,390	9/06/1988	Baker et al	
	6	US- 4,906,440	3/06/1990	Kolesar, Jr.	
	7	US- 4,942,303	7/17/1990	Kolber et al	
	8	US- 5,014,225	5/07/1991	Vidaver et al	
	9	US- 5,532,679	7/02/1996	Baxter, Jr.	
	10	US- 5,654,692	8/05/1997	Baxter, Jr. et al	
	11	US- 5,866,430	2/02/1999	Grow	
	12	US- 5,922,183	7/13/1999	Rauh	
	13	US- 5,965,882	10/12/1999	Megerle et al	
	14	US- 6,083,740	7/04/2000	Kodo et al	
	15	US- 6,119,630	9/19/2000	Lobsiger et al	
	16	US- 6,119,976	9/19/2000	Rogers	
	17	US- 6,121,053	9/19/2000	Kolber et al	
	18	US- 6,316,268 B1	11/13/2001	Yang et al	
DEM	19	US- 6,402,031 B1	6/11/2002	Hall	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> * Number * Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>

Examiner  
Signature

Dwayne K. Henry

Date

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12/21/06

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Sheet 2

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DKM	20	US- 6,569,384 B2	5/27/03	Greenbaum et al	
	21	US- SIR H454	4/05/1988	Sickenberger et al	
	22	US- SIR H1344	8/02/1994	Baldauf et al	
	23	US- 4,448,068	5/15/1984	Sutherland et al	
	24	US- 4,300,855	11/17/1981	Watson	
DKM	25	US- 3,170,299	2/23/1965	Clarke	
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	26	DD 248433A1	08/05/1987	Reinhold Koepp		
DKM	27	EP 0811842A1	12/10/1997	Jean-Marie Ory		
	28	WO 99/32876	07/01/1999	Alfredo Lucia		
	29	DE 19857792A1	07/20/2000	U. Schreiber		
	30	CA 2,265,304	03/15/1999	S. Hunt et al		
DKM	31	DE 41 40 414 A1	06/09/1993			

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		Filing Date	
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		Art Unit	
		Examiner Name	
Sheet 3 of 5	Attorney Docket Number	1266.1	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
DKM	32	G.H.KRAUSE, et al "Chlorophyll Fluorescence & Photosynthesis: The Basics," Annu.Rev.Plant Physiol.Plant Mol.Biol (1991) V. 42, p. 313-49	
	33	G.H.KRAUSE, et al "Photoinduced Quenching of Chlorophyll Fluorescence in Intact Chloroplasts & Algae," Biochimica et Biophysica Acta, V.679, p. 116-124 (1982)	
	34	U.SCHREIBER et al "Chlorophyll Fluorescence as a Noninvasive Indicator for Rapid Assessment of In Vivo Photosynthesis," Ecological Studies, 100, p. 49-70 (1994)	
	35	BERNARD GENTY et al "The Relationship Between the Quantum Yield of Photosynthetic Electron Transport & Quenching of Chlorophyll Fluorescence," Biochimica et Biophysica Acta, 990, p. 87-92 (1989)	
	36	O.VAN KOOTEN et al "The Use of Chlorophyll Fluorescence Nomenclature in Plant Stress Physiology," Photosynthesis Research, 15, p. 147-150 (1990)	
	37	G.E.EDWARDS et al "Can CO2 Assimilation in Maize Leaves be Predicted Accurately from Chlorophyll Fluorescence Analysis," Photosynthesis Res., 37, p. 89-102 (1993)	
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	39	MARTINE NAESSENS et al "Fiber Optic Biosensor Using Chlorella Vulgaris for Determination of Toxic Compounds," Ecotoxicology and Env. Safety, 46, p. 181-185 (2000)	
	40	HEINZ WALZ, "Internet Web Site <a href="http://www.walz.com">http://www.walz.com</a> eg, <a href="http://www.walz.com/xepam.htm">http://www.walz.com/xepam.htm</a> & <a href="http://www.walz.com/damzta.htm">http://www.walz.com/damzta.htm</a> "	
DKM	41	G.DUBELAAR et al "Design & First Results of CytoBuoy: A Wire-less Flow Cytometer for In Situ Analysis of Marine & Fresh Waters," Cytometer 37, p. 247-254 (1999)	

Examiner Signature	<i>Wayne K. Harty</i>	Date Considered	12/21/06
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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
DKH	42	R.K.GELDA et al "Estimating Oxygen Exchange Across the Air-Water Interface of a Hyperautrophic Lake," Hydrobiologia, 487, p. 243-254 (2002)	
	43	M.RODRIGUEZ,Jr. et al "Biosensors for Rapid Monitoring of Primary-Source Drinking Water Using Naturally Occurring Photosynthesis," Biosensors & Bioelectronics 17, p.843-849 (2002)	
	44	A.PINTO et al "Chlorophyll-A Determination via Continuous Measurement of Plankton Fluorescence:Methodology Development" Wat. Res. Vol. 35, No. 16, p.3977-3981 (2001)	
	45	C.A.SANDERS et al "Stand-off Tissue-Based Biosensors for the Detection of Chemical Warfare Agents using Photosynthetic Fluorescence Induction," Biosensors & Bioelectronics 16 p. 439-446 (2001)	
	46	K.WILD-ALLEN et al "Observations of Diffuse Upwelling Irradiance & chlorophyll in Case I Waters Near the Canary Islands (Spain)"Optics & Laser Technology, V29, No. 1 P. 3-8 (1997)	
	47	T.MOORE et al "Real-Time River Level Monitoring Using GPS Heighting," GPS Solutions, V.4, No. 2, p. 63-67 (2000)	
	48	D.LAPOTA et al "Development of an Autonomous Bioluminescence Buoy (BioBuoy) for Long-Term Ocean Measurements," SPAWAR Systems Center	
	49	U.A.KORDE, "A Note on the Hydrodynamics of a Tail Tube Buoy," Ocean Engineering 27, p. 1473-1484 (2000)	
	50	M.KISHINO et al "Verification Plan of Ocean Color & Temperature Scanner Atmospheric Correction & Phytoplankton Pigment by Moored Optical Buoy System," J. of Geo. Res., V102, D14, p.17,197-17,207 (1997)	
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Sheet 5	of 5	Attorney Docket Number	1266.1

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DKH	52	J.W.KLETT et al, "Flexible Towpreg for the Fabrication of High Thermal Conductivity Carbon/Carbon Composites," Carbon, V.33, No. 10, p. 1485-1503 (1995)	
DKH	53	Guidelines for Chemical Warfare Agents in Military Field Drinking Water, National Academy Press, Washington, D.C. (1995)	

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